

FIG. 1  
(PRIOR ART)

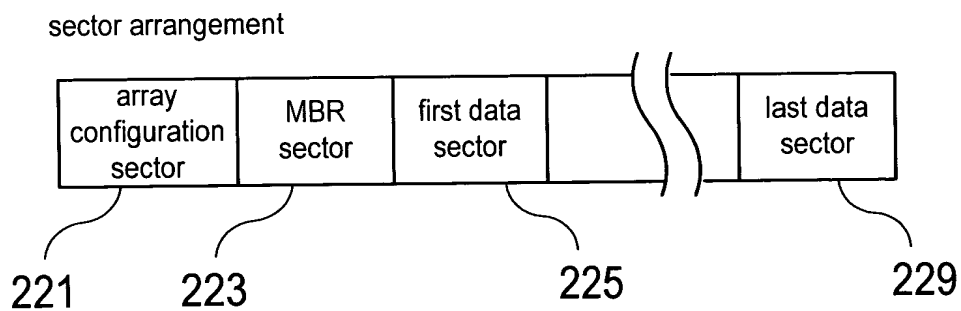


FIG. 2  
(PRIOR ART)

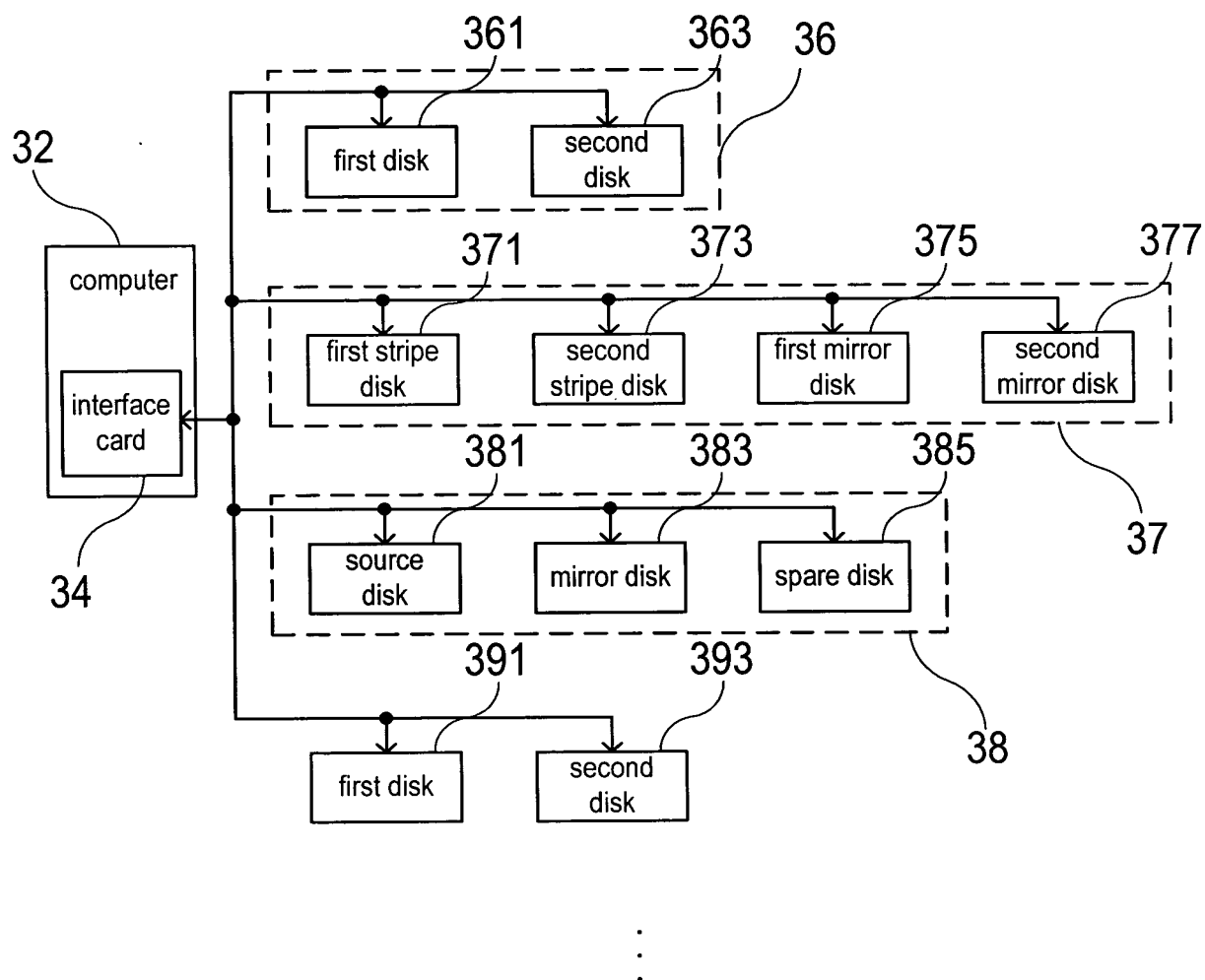


FIG. 3

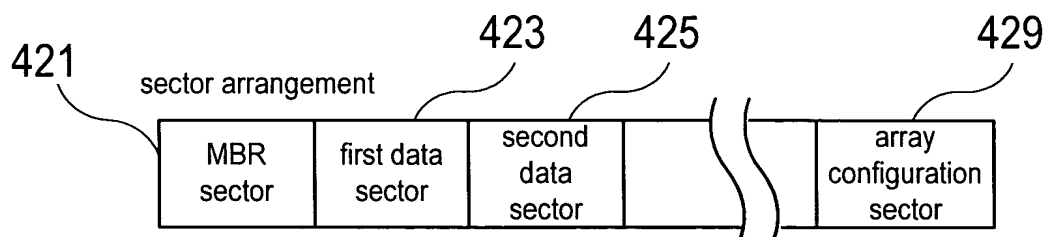


FIG. 4

offset	type	meaning
0	WORD	array signature
2	BYTE	version identification
3	15bytes	array information/disk information
18	DWORD	serial check sum of array disk 0
22	DWORD	serial check sum of array disk 1
26	DWORD	serial check sum of array disk 2
30	DWORD	serial check sum of array disk 3
34	DWORD	serial check sum of array disk 4
38	DWORD	serial check sum of array disk 5
42	DWORD	serial check sum of array disk 6
46	DWORD	serial check sum of array disk 7
50	BYTE	serial check sum of array configuration

FIG. 5

array information

bit	array type	meaning	
0-2	Raid 0	disk number	
	Raid 1	spare disk number	
	Raid 0+1	stripe disk number	
	Span	disk number	
3	all	array broken flag	
4-7	Raid 0 - Raid 7	0-7	represent- ative value
	Span	8	
	Raid 0+1	9	
8-10	all	array serial number	
11-14	including stripe disk	stripe size	
15-46	all	available capacity	
47-63	all	reserved bit	

FIG. 6

disk information

bit	array type	meaning	
0	all	boot	
1	all	enhanced	
2-33	all	serial check sum	
34-38	Raid 0	sequence of stripe disk	sequence/ function field
34-35	Raid 1	source, mirror, or spare disk	
36	Raid 1	synchronization	
34-36	Raid 0+1	sequence of stripe disk	
37	Raid 0+1	source array or mirror array	
38	Raid 0+1	synchronization	
34-36	Span	sequence of disk	
39-55	all	reserved bit	

FIG. 7